

Request For Proposal Notice



Department Of Executive Services
Finance And Business Operations Division
Procurement And Contract Services Section
206-684-1681 Tty Relay: 711

Advertised Date: October 7, 2004

RFP Title:	Transit Radio System
RFP Number:	04-003 PR
Due Date:	December 23, 2004 - 2:00 P.M. Seattle, WA Time
Buyer:	Paul Russell, paul.russell@metrokc.gov , 206-684-1054

The RFP is issued by mail on CD. All Addenda issued by the County will be sent by email to the proposers on the Proposers List and announcement of addenda will be posted on the King County web site.

The RFP consists of the following three Parts:

- Part A Proposal Preparation
Proposal Evaluation and Contract Award
Attachments A-P
- Part B Terms and Conditions
Exhibits to Terms and Conditions
- Part C Statement of Work (SOW)
Appendices to Statement of Work

Parts A & C are provided on the CD in native Word and PDF. The PDF is to show the exact page layout and formatting, while the MSWord version is to allow ease in compiling your Proposal.

- Mandatory Pre-Proposal Conference

A mandatory **TWO AND ONE-HALF DAY** pre-proposal conference to provide each potential Proposer information on KCM facilities and equipment that will assist in the accurate preparation of pricing for the Work, shall be held **October 25, 26 and 27, 2004** at the times and locations below. Proposals from Proposers who did not attend all **two and one-half** days of the mandatory pre-proposal conference shall not be evaluated nor shall be considered for award of a Contract under this RFP. The pre-proposal conference is mandatory because of the nature of the Work to be Provided. The County has determined that only by attending the pre-proposal conference could a Proposer fully understand the requirements under this RFP. Proposals from Proposers who did not attend the mandatory pre-proposal conference shall not be evaluated nor shall be considered for award of a Contract under this RFP.

Date	Start – End Times	Event	Location
October 25	12:30 pm – 5 pm	RFP Guidelines, Q & A, Existing Communications Center Tour	Federal Building 915 Second Avenue (South Auditorium on 4 th Fl.) Seattle WA 98104 Enter from 2 nd Ave (4 th fl) Building bordered by Marion & Madison St. and 1 st & 2 nd Ave
October 26	9 am – 5 pm	Tour of Conceptual System Design sites	King Street Center 201 S. Jackson Street Seattle WA 98104 Meet in the main lobby, then board and check-in on Special Service bus.
October 27	9 am – 5 pm	Tour of Conceptual System Design sites	King Street Center 201 S. Jackson Street Seattle WA 98104 Meet in the main lobby, then board and check-in on Special Service bus.

- Email any questions you want addressed at the Mandatory Preproposal meeting to Paul Russell paul.russell@metrokc.gov as soon as possible but no later than two business days before the meeting. REMEMBER I am the sole point of contact for this RFP 04-003PR.

- RFP Introduction

The Transit Radio System (TRS) to be purchased under this RFP by King County Metro Transit (Metro) is a 700 MHz digital trunked radio system providing voice and data in support of transit operations. The system shall provide radio coverage to mobile and portable units throughout Metro's service area. Metro specifies a digital trunked system in order to comply with FCC regulations and the Region 43 700 MHz Plan requirements for 700 MHz channel allocation.

- A. Metro is replacing its current 450/800 MHz simulcast radio system and 10 GHz microwave system. The new system will include, among other elements, new 700 MHz radios, microwave interconnects, and new infrastructure at remote sites to provide 95% RF coverage throughout Metro's transit service area. The County has identified 14 base station /repeater sites for the conceptual Baseline TRS.
- B. The TRS will provide radio coverage for Metro fixed-route service throughout King County and extend into Pierce County and Snohomish County, Washington. The TRS will also provide radio coverage for regional buses operated by Metro within its service area (See Appendix A – Metro Service Area, for definition of the geographic area) under contract with Sound Transit (ST). The Metro fixed route transit system currently has approximately 1400 buses and 400 supporting vehicles, and ST has 100 buses, for a total fleet size of 1900 vehicles.
- C. The successful Proposer (hereafter referred to as "Contractor") will be awarded a contract to:
 1. Implement reliable and efficient digital voice and data communications between the Communications Center and the revenue vehicles.
 2. Implement digital voice communication for portable radios and non-revenue vehicles.
 3. Supply all related Equipment and requested services over the next ten (10) years.

D. The TRS will require integration with:

1. **Computer Aided Dispatch/Automatic Vehicle Location (CAD/AVL)** data exchange equipment provided by another contractor through **RFP 04-001PR On-Board Systems/Communications Center System (OBS/CCS)**. The TRS Contractor is required to coordinate with the OBS/CCS contractor and to assure an integrated system design for all related functionality. The TRS will function as the transport mechanism for the OBS/CCS, providing real-time vehicle location information, Request-to-Talk (RTT), Priority-Request-to-Talk (PRTT) and Emergency Alarms (EA) to and from vehicles.
2. **On-Board Systems (OBS)** Vehicle Logic Unit (VLU) on revenue vehicles.
3. **Downtown Seattle Transit Tunnel (DSTT) Radio Frequency Distribution System** using one of two alternatives.
4. **King County Regional 800 MHz Trunked Radio System (KCRS)**, joint tunnel operation talk groups (control stations in the DSTT) and the new Metro 700 MHz transit police system users.

Paul Russell C.P.M. CPPB

Sr. Buyer

KING COUNTY

Procurement & Contracts Services Section

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